



Education Program – Middle Years

iFLY's unique vertical wind tunnel provides the perfect environment to show students how exciting STEM can be! Our Education Program has been designed by professional educators to support and enhance STEM learning in your classroom.



Every iFLY Field Trip includes:

- Interactive STEM presentation, delivered by iFLY STEM Educator
- Physics demonstration in the wind tunnel
- Classroom experiment that compares students' predicted and measured wind tunnel speeds
- Flying instruction & safety training
- Flying time, with one-on-one supervision from a highly-trained and certified instructor
- Pre and post-field trip activities to conduct in your classroom
- Photos and videos for the students to keep



“...all I can say is *WOW!* Best field trip in 18 years of teaching. My students couldn't stop talking about it today!”

– Raine Maggio, Austin teacher
Education Program Middle Years



iFLY field trips make STEM relevant, interesting and accessible for your students.



Our Learning Objectives include:

- Increasing awareness of exciting STEM careers
- Learning how STEM is used in the real-world
- Understanding the nature of fluids and how they exert forces on solid objects
- Using algebraic thinking to understand proportional relationships
- Using decimal, scientific notation, and unit conversions to do calculations
- Graphing and interpreting results
- Understanding variability, uncertainty, and error in experimental results

All iFLY field trips support the following standards:

Science

Science Understanding and Science as a Human Endeavour

ACSSU117, ACSSU155, ACSHE119, ACSHE120, ACSHE121, ACSHE134, ACSHE135, ACSHE136, ACSSU190 & ACSSU229, ACSHE157, ACSHE158, ACSHE191 & ACSHE192

Science Inquiry Skills

AC SIS124, AAC SIS125, AC SIS126, AC SIS129, AC SIS130, AC SIS131, AC SIS132, AC SIS133, AC SIS139, AC SIS140, AC SIS141, AC SIS144, AC SIS145, AC SIS146, AC SIS148, AC SIS234, AC SIS164, AC SIS165, AC SIS166, AC SIS169, AC SIS170, AC SIS198, AC SIS199, AC SIS200, AC SIS203 & AC SIS204

Maths

ACMNA156, ACMNA158, ACMNA175, ACMNA177, ACMMG159, ACMSP169,
ACMNA183, ACMMG195, ACMMG197, ACMNA232, ACMNA234 & ACMMG242